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→ PMB

¿-deoxycytidine">
Valid 05/2003 ~ 07/2003

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HATERIAL SAFETY DATA SHEET

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SECTION 1. - - - - - - CHEMICAL IDENTIFICATION - - -
                         A3656
   CATALOG #:
                         6-AZA-2'-DEOXYCYTIDINE
SECTION 2. - - - COMPOSITION/INFORMATION ON INGREDIENTS - - -
  CAS #: 2353-33-5
    MF: CBH1ZN404
    EC NO: 219-089-4
  ADDITIONAL INFORMATION
    CONTAINS METRYL ALCOHOL, CHEMICAL ABSTRACTS REGISTRY NUMBER 67-56-1.
    4-Amino-1- (2-Deoxy-Beta-D-Erythro-Pentofuranosyl) -9-trialin-2 (1R) +one
  SHYMONYE
    * 5-AKADEOXYCYTIDINE * 5-AZA-2'-DEOXYCYTIDINE * 1,3,5-TRIASIN-2(1H)-
    ONE. 4-AMINO-1- (2-DEOXY-BETA-D-ERYTHRO-PENTOFURANOSYL) - (9CI) *
SECTION 3. - - - - - HAZARDS IDENTIFICATION - - -
  LABEL PRECAUTIONARY STATEMENTS
    TOXIC
    HAY CAUSE HARM TO THE UNBORN CHILD.
    HARMFUL BY IMPALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
    MAY CAUSE SENSITIZATION BY SKIN CONTACT.
    IRRITATING TO EYES, RESPIRATORY SYSTEM AND BRIN.
    POSSIBLE MUTAGEN.
    TARGET ORGAN(S):
    BOME MARROW
   . IMMUNE SYSTEM
    IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
     IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
    IN CASE OF CONTACT WITH EYES, RINGE IMMEDIATELY WITH PLENTY OF
    WATER AND SEEK MEDICAL ADVICE.
    WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
     PROTECTION.
     DO NOT BREATHE DUST.
 BECTION 4. -- -- FIRST-AID MEASURES- -- --
     IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS
     AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTANINATED
     CLOTHING AND SHOEF.
     ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS
     WITH PINGERS.
     IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
     RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
     IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
     CALL A PHYSICIAN.
     WASH CONTAMINATED CLOTHING BEFORE REUSE.
 SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -
   EXTINGUISHING MEDIA
     WATER SPRAY.
     CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
   SPECIAL FIREFIGHTING PROCEDURES
     WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
      PREVENT CONTACT WITH SKIN AND EYES.
    UNUSUAL FIRE AND EXPLOSIONS HAZARDS
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ENITS TOXIC FUMES UNDER FIRE CONDITIONS.
SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - -
   WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
    SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
    RUBBER GLOVES.
    VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
SECTION 7. ---- HANDLING AND STORAGE----
SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - -
    WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT
    GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
    USE ONLY IN A CHEMICAL FUME HOOD.
    SAFETY SHOWER AND EYE BATH.
    DO NOT BREATHE DUST.
    DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
     AVOID PROLONGED OR REPEATED EXPOSURE.
     Wash Thoroughly After Handling.
     TERATOGEN.
     SEMBITIEER.
     POBSIBLE NUTAGEN.
     IRRITANT.
 SECTION 9. - - - PHYSICAL AND CHEMICAL PROPERTIES - - -
   APPEARANCE AND ODOR
     golid.
   PHYSICAL PROPERTIES
                       201 TO 202'C
     MELTING POINT:
                                             SH ACETIC ACID SOLUBLE
     SOLUBILITY:
  SECTION 10. - - - - - - - STABILITY AND REACTIVITY - - - -
    STABILITY
      STABLE.
    INCOMPATIBILITIES
      STRONG OXIDIZING AGENTS
    HARARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
      TOXIC FUMES OF:
      CARBON MONOXIDE, CARBON DIOXIDE
      MITROGEN OXIDES
    HAZARDOUS POLYMERIZATION
  SECTION 11. - - - - - - TOXICOLOGICAL INFORMATION - - -
      HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
     ACUTE EFFECTS
       CAUSES EYE AND SKIN IRRITATION.
       MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
       RESPIRATORY TRACT.
       MAY CAUSE ALLERGIC SKIN REACTION.
       EXPOSURE CAN CAUSE MYELOSUPPRESSION AND VONITING.
     CHRONIC EFFECTS
       MAY CAUSE CONGENITAL MALFORMATION IN THE FETUS.
       LABORATORY EXPERIMENTS HAVE SHOWN MUTAGENIC EFFECTS.
       TARGET ORGAN(S):
       BONE MARROW
       INCOME SYSTEM
       EYE9
       KIDNEYS
       LIVER
       HEART
        S-TRIAZIN-2(1H)-ONE, 4-AMINO-1-(2-DEOXY-BETA-D-ERYTHRO-PENTOFURANOSYL)-
      RTECS 4: X23012000
      TOXICITY DATA
                                                     CNRRAS 37,3684,1977
        IPR-MUS LD50:190 MG/KG
                                                     DCTODJ 4,373,1981
        IVN-MUS LD50:22 MG/KG
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TARGET ORGAN DATA
  BLOOD (LUEKOPENIA)
   BLOOD (THROMBOCYTOPENIA)
  EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
   SPFECTS ON EMBRYO OR FETUS (FETOTOXICITY)
   SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)
   NUTRITIONAL AND GROSS METABOLIC (WEIGHT LOSS OR DECREASED WEIGHT GAIN)
   ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
   (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
SECTION 12. - - - - ECOLOGICAL INFORMATION - - - -
SECTION 13. - - - DISPOSAL CONSIDERATIONS - - - -
   DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
   CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND BCRUBBER.
   OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.
SECTION 14. - - TRANSPORT INFORMATION - - -
   CONTACT SIGNA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.
SECTION 15. - - - - REGULATORY INFORMATION - - -
  EUROPEAN INFORMATION
    TOXIC
    MAY CAUSE HARM TO THE UNBORN CHILD.
    R 61
    HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IT SWALLOWED.
    MAY CAUSE SENSITIBATION BY SKIN CONTACT.
    IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
    IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK NEDICAL ADVICE
    IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
    IN CABE OF CONTACT WITH EYES, RINGE IMMEDIATELY WITH PLENTY OF
     WATER AND SERK MEDICAL ADVICE.
    WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
     PROTECTION.
     9 22
     DO NOT BREATHE DUST.
   TLY AND SOURCE
     ACGIR TLV-TWA: 200 PPM (260 MG/M3); STEL: 250 PPM (310 MG/M3).
     FOR METHYL ALCOHOL - SKIN:
     OBHA PEL: 8 H TWA 200 PPM (260 MG/M3); STEL: 250 PPM (310 MG/M3).
    U.S. INFORMATION
     MAY CONTAIN UF TO:
     THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.
  SECTION 16. - - - - OTHER INFORMATION - - -
      THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
      BE ALL INCLUBIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH,
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